

# DHT +Plus

# Digital Hand Tester +Plus

A convenient hand operated tester for compression and extension applications. The DHT +Plus comes standard with high resolution force and length upgrades to test with greater accuracy, as well as RS 232 & USB connections for data output. It is made with a rugged cast aluminum and steel frame and has a precision rack-and-pinion drive with adjustments for wear.

### Standard Features:

- Compression testing of force and length
- Extension testing of force and length
- Tracking or peak modes (2,000 samples / sec)
- Load cell and frame deflection compensation
- Mechanical and software overload protection
- Digital calibration and linearization
- LED display of force and length
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- NIST traceable calibration
- Length measurement in mm or in.
- Force measurement in lb, oz, kg or N
- Four 1/4" mounting holes for 1/4-20 bolts
- Test compression parts 12" in length
- Test extension parts 10" in length
- Built-in shunt calibration verification
- Internal 8-hour battery for portable use
- Micro-Length Adjust (025-0000-0407-02)
- RS 232 Capability (025-1000-0261-00)
- High resolution upgrades
  - Force (050-0000-0107-00)
  - Length (025-0000-0488-00)



Bright, Clear LED Display

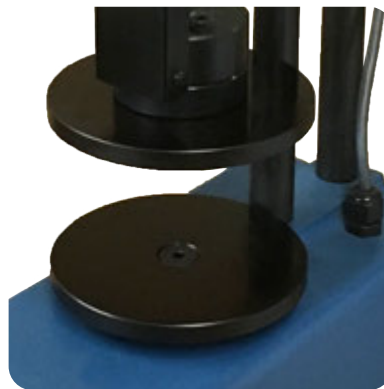


### Data Output

RS 232 & USB ports on the back of the tester allow you to export data.

### Options:

- 4" Ø platforms (025-0000-0191-00)
- Master calibrated springs
  - 10 lb (025-0000-1489-02)
  - 100 lb (025-0000-1489-03)
  - 500 lb (025-0000-1489-14)



Optional 4" Ø Platforms

### Micro-Length Adjust

Make extremely accurate length adjustments and utilize two rigid compression stops built into the assembly.



See Page 2 for Force & Length Specifications.



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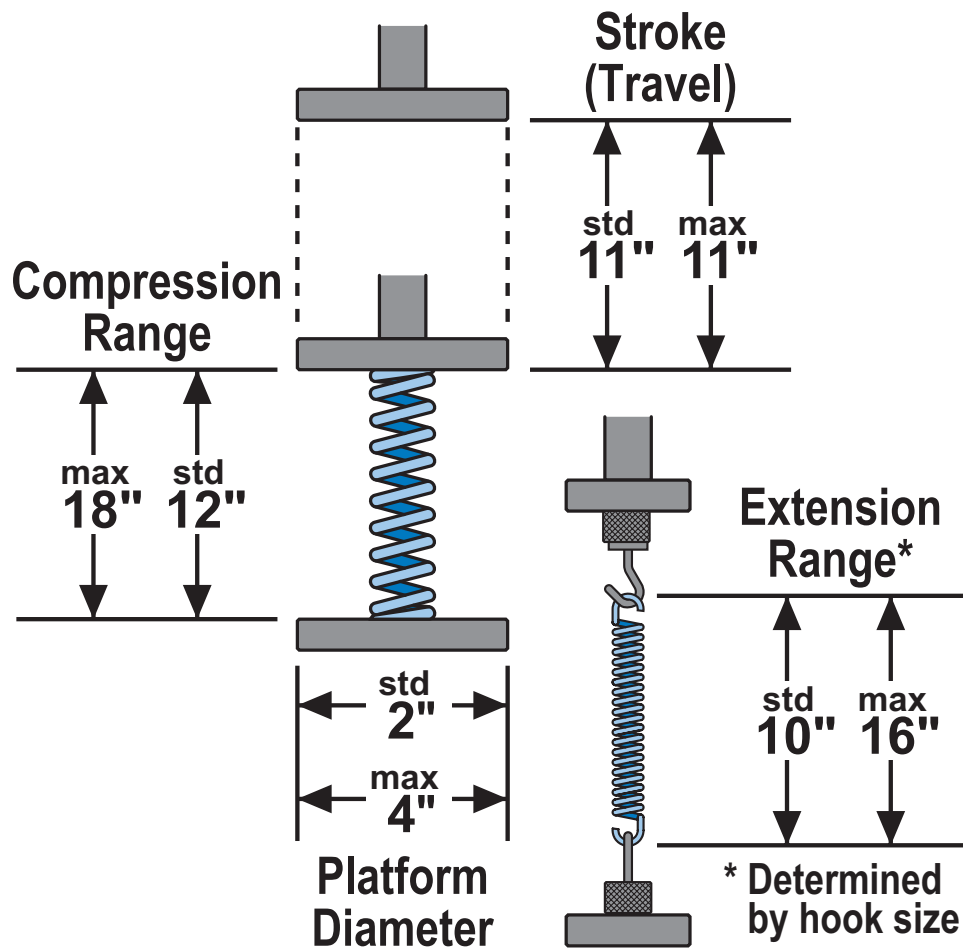
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## DHT +Plus Force & Length Specifications

DHT +Plus Model & Load Cell		DHT Standard Resolution Force for Comparison	DHT +Plus High Resolution Force		DHT Standard Res. Length for Comparison	DHT +Plus High Resolution Length
Model & Part No.	Capacity	0-100% Full Scale	0-20% FS	20-100% FS	Resolution / Accuracy	
 <b>DHT +Plus 110 lb</b> <b>050-0000-0021-02</b>	110 lb	0.05 lb	0.005 lb	0.05 lb	0.001 in / 0.002 in	0.0005 in / 0.001 in
	50 kg	0.02 kg	0.002 kg	0.02 kg	0.02 mm / 0.04 mm	0.01 mm / 0.02 mm
	489 N	0.2 N	0.02 N	0.2 N	-	
 <b>DHT +Plus 750 lb</b> <b>050-0000-0021-01</b>	750 lb	0.5 lb	0.05 lb	0.5 lb	0.001 in / 0.005 in	0.0005 in / 0.002 in
	340 kg	0.2 kg	0.02 kg	0.2 kg	0.02 mm / 0.1 mm	0.01 mm / 0.04 mm
	3,336 N	2 N	0.2 N	2 N	-	

Accuracy = ± Full Scale Resolution x 2



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